

Title (en)
MACHINE MONITORING

Title (de)
ÜBERWACHUNG VON MASCHINEN

Title (fr)
SURVEILLANCE DE MACHINE

Publication
EP 3458925 A4 20200122 (EN)

Application
EP 17798394 A 20170516

Priority
• AU 2016901806 A 20160516
• AU 2017050449 W 20170516

Abstract (en)
[origin: WO2017197449A1] Disclosed is a method for monitoring the operation of a machine. The method comprises measuring a plurality of parameters of the machine to obtain a plurality of measured values and transforming the measured values to generate a plurality of normalised indicator values. The method further comprises using the normalised indicator values to indicate a condition of the machine. Also disclosed is a method of managing the operation of a machine. The method includes measuring a plurality of parameters of the machine, predicting, based on historical data, a time at which the measured values will reach a replacement criterion, identifying one or more components of the machine that require to be replaced in order to prevent the replacement criterion being met, and communicating, to a service provider, an indication of the one or more components that require replacement.

IPC 8 full level
G05B 23/02 (2006.01); **G16B 45/00** (2019.01)

CPC (source: EP US)
G01D 3/02 (2013.01 - US); **G01D 3/022** (2013.01 - US); **G01N 19/08** (2013.01 - US); **G05B 11/01** (2013.01 - US); **G05B 13/02** (2013.01 - US); **G05B 13/026** (2013.01 - US); **G05B 15/02** (2013.01 - US); **G05B 23/0221** (2013.01 - US); **G05B 23/0235** (2013.01 - EP US); **G05B 23/0272** (2013.01 - US); **G05B 23/0283** (2013.01 - EP US); **G07C 3/00** (2013.01 - US); **G07C 3/06** (2013.01 - US)

Citation (search report)
• [IY] EP 2202600 A2 20100630 - EMBRAER AERONAUTICA SA [BR]
• [Y] US 2015309506 A1 20151029 - NADUTHOTA RAJEEV [IN], et al
• [A] WO 2008142386 A1 20081127 - ROLLS ROYCE PLC [GB], et al
• See references of WO 2017197449A1

Designated contracting state (EPC)
AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

DOCDB simple family (publication)
WO 2017197449 A1 20171123; AU 2017266437 A1 20181122; CA 3021907 A1 20171123; CL 2018003241 A1 20190412; CN 109313440 A 20190205; EP 3458925 A1 20190327; EP 3458925 A4 20200122; US 2019187679 A1 20190620

DOCDB simple family (application)
AU 2017050449 W 20170516; AU 2017266437 A 20170516; CA 3021907 A 20170516; CL 2018003241 A 20181114; CN 201780030393 A 20170516; EP 17798394 A 20170516; US 201716301900 A 20170516